

MATERIAL SAFETY DATA SHEET

SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
PRODUCT IDENTITY: Platinum Solution	MANUFACTURER NAME: C & D Technologies, Inc. ADDRESS: 1400 Union Meeting Road P. O. Box 3053 Blue Bell, PA 19422-0858 TELEPHONE: (215) 619-2700
EMERGENCY: (610) 828-9309 24 HOUR EMERGENCY TELEPHONE: (CHEM TEL) 1-800-255-3924	

SECTION II: COMPOSITION / INFORMATION ON INGREDIENTS				
COMPONENTS	CAS#	OSHA PEL	ACGIH TLV	% BY WEIGHT
Water	7732-18-5	N/A	N/A	99.979%
Platinum and stabilizer compounds	N/A	N/A	N/A	< 0.021%

SECTION III: HAZARDS IDENTIFICATION	
APPEARANCE AND ODOR: Colorless liquid with no odor.	RATING CODES: 0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme
ROUTES OF ENTRY: Inhalation X Skin X Ingestion X	HMIS RATING: Health: 1 Flammability: 0 Reactivity: 0 Other: 0
	NFPA RATING: Health: 1 Flammability: 0 Reactivity: 0 Other: None
TARGET ORGANS: Skin, eyes, and respiratory tract.	
HEALTH HAZARDS (ACUTE AND CHRONIC): ACUTE: Causes eye irritation. May cause skin and respiratory tract irritation. May cause allergic skin and respiratory reaction. CHRONIC: None known. SIGNS AND SYMPTOMS: Eye exposure: pain, tearing and redness. Skin exposure: redness, itching or burning, rash. Inhalation: coughing, sneezing or difficulty in breathing. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Asthma, allergies.. California Proposition 65 Warning – None.	

SECTION IV: FIRST AID MEASURES	
EMERGENCY AND FIRST AID PROCEDURES:	
SKIN / EYES	INGESTION
<ul style="list-style-type: none"> Exposure to eyes: flush with plenty of water for at least 15 minutes. 	<ul style="list-style-type: none"> None.

SECTION V: FIREFIGHTING MEASURES	
FIRE AND EXPLOSIVE PROPERTIES:	
Flash Point: N/A	Flammable Limits (as H ₂ gas): LEL: 4% UEL: 74%
UNUSUAL FIRE AND EXPLOSION HAZARDS: Not flammable, but reacts with many metals to form flammable hydrogen gas.	
EXTINGUISHING MEDIA: Class ABC or CO ₂ ..	
SPECIAL FIREFIGHTING PROCEDURES: None.	

SECTION VI: ACCIDENTAL RELEASE MEASURES
Use sand or earth to contain and adsorb spilled material.

SECTION VII: HANDLING AND STORAGE
Store in original container. Keep container closed.

SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION
ENGINEERING CONTROLS: None.
PERSONAL PROTECTIVE EQUIPMENT: Wear appropriate protective clothing to prevent skin exposure.
Eye Protection = chemical goggles or safety glasses with sideshields recommended.
Protective Gloves = Wear impervious gloves where contact is likely
Respiratory Protection = None required for normal use. Avoid spraying or misting this material
Other Protective Equipment = None.
WORK PRACTICES: Keep container closed. Do not mist or spray this material. Wash thoroughly after handling.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES	
ACID:	
Boiling Point: 100 deg F	Melting Point (unit): N/A
Vapor Density (air=1): 1	Vapor Pressure: 1mm
Evaporation Rate (water=1): 1	Solubility in water: 100%
Specific Gravity (contained in the Battery): 1.0	
Appearance / Odor: Colorless odorless liquid.	

SECTION X: STABILITY AND REACTIVITY
STABILITY: Stable.
CONDITIONS TO AVOID: None.
INCOMPATIBILITY (MATERIALS TO AVOID): Acid reactive or water reactive materials including cyanides, metal acetylides, peroxides, permanganates, carbides, sodium and other alkali metals.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Reacts with metals to produce flammable hydrogen gas
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

SECTION XI: TOXICOLOGICAL INFORMATION

LD 50: Not determined.	LDLo: Not determined.	LC 50: Not determined.
CARCINOGENICITY: Not listed by OSHA, NTP or IARC as a carcinogen.		

SECTION XII: ECOLOGICAL INFORMATION

The low pH of this material when undiluted or unneutralized is acutely harmful to aquatic life.

SECTION XIII: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose in accordance with local, state, and federal regulations and permits.
HAZARDOUS WASTE CODES: None

SECTION XIV: TRANSPORTATION INFORMATION

FOR DOMESTIC, CANADIAN, AND EXPORT SHIPMENTS: Not a regulated hazardous material for transportation.
UN OR NA IDENTIFICATION:
PROPER DOT SHIPPING NAME:
HAZARD CLASS: **LABEL:** **PACKING GROUP:**

SECTION XV: REGULATORY INFORMATION

OSHA PEL: 8 hour time-weighted average 0.002 mg(Pt)/m3
ACGIH TLV: 0.002 mg(Pt)/m3

SECTION XVI: OTHER INFORMATION

THE INFORMATION ON THIS SAFETY DATA SHEET IS BELIEVED TO BE ACCURATE AND IT IS THE BEST INFORMATION AVAILABLE TO C & D TECHNOLOGIES, INC. THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONS FOR HANDLING A CHEMICAL BY A PERSON TRAINED IN CHEMICAL HANDLING. C & D TECHNOLOGIES, INC. MAKES NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED WITH RESPECT TO SUCH INFORMATION OR THE PRODUCT TO WHICH IT RELATES, AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OR HANDLING OF THE PRODUCT TO WHICH THIS SAFETY DATA SHEET RELATES. USERS AND HANDLERS OF THIS PRODUCT SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION PROVIDED HEREIN FOR THEIR OWN PURPOSES.

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